CLAIMS

- \for authenticating the taking pictures made up of digital data comprising a picture taking apparatus and a security element carrying out the signing of at \least part of the digital data, characterized in that the security element detachable element comprising a decryption circuit with secret key K1, this \element being connected to the 10 picture taking apparatus by an interface circuit provided in the picture taking apparatus.
 - 2. Device according to Claim 1, characterized in that the detachable element incorporates a hashing circuit.
- 150-3. Device according to either of Glaims 1 and 2, characterized in that the detachable element is a chip card.
- to Claims 1 and 3, a 4. according Device characterized in that the picture taking apparatus (1) moreover comprises a multiplexing circuit (6) and a 20 circuit (5) for hashing at least one first fraction (F1 (VN)) of the digital data in such a way as to generate a first hashed datum (ml), the decryption circuit with secret key K1 of the chip card (2) carrying out the decryption of the first hashed datum (m1) in such a way 25 as to generate a signarure $(D(m1)_{K1})$ of the first hashed datum (m1), the signature $(D(m1)_{K1})$ and the digital data (VN) being transmitted to the multiplexing circuit (6) so as to constitute a/multiplexed signal (S1).
- to Glaims 30~5. Device according characterized in that the picture taking apparatus (1) furthermore comprises a multiplexing circuit (6), a hashing circuit of the chip card carrying out the hashing of at least a first fraction (F1(VN)) of the 35 digital data originating from the picture apparatus (8) in such a way as to generate a first hashed datum (m1) and the first hashed datum (m1) is decrypted in the decryption circuit in such a way as to generate a signature $(D(m1)_{K1})$ of the first hashed datum

(m1), the signature $(D(m1)_{K1})$ emanating from the chip card and the digital data (VN) being transmitted to the multiplexing circuit (6) in such a way as to constitute a multiplexed signal (S1).

- characterized in that the picture taking apparatus (1, 8) is a camera head.
- Characterized in that the picture taking apparatus (1, 10 8) is a photographic apparatus.
- 8. Device authenticating digital for data according to any one from a device Claims 1 to 7; characterized in that it comprises a demultiplexer (11) for separating the digital data (VN) and the signature $(D(m1)_{K1})$, an encryption circuit with 15 public key K2 for calculating an encrypted datum $(C(D(m1)_{K1})_{K2})$ on the/basis of the signature $(D(m1)_{K1})$, a circuit (13) for hashing at least one second fraction (F2(VN)) of the digital data (VN) emanating from the 20 demultiplexer (11)/ in such a way as to generate a second hashed datum (m2), a comparison circuit (14) for comparing the encrypted datum $(C(D(m1)_{K1})_{K2})$ with the second hashed datum (m2) in such a way as to constitute signal (S3) / making it possible to verify the 25 authenticity of the digital data.

AND